ASWIN THAPA

+91-6296817932 | aswinthapa16@gmail.com | github.com/AswinThApa04

Bangalore, India

SUMMARY

Aspiring frontend developer with a strong foundation in HTML, CSS, JavaScript, and React. Passionate about building responsive, user-focused web applications and continually improving through real-world projects, API integration, and UI optimization.

EDUCATION

Bangalore, Karnataka — Cambridge Institute of Technology — *Nov 2021 – May 2025*

- B.E. in Electronics and Communication Engineering**. CGPA**:8.29/10

SKILLS

Frontend: HTML, CSS, JavaScript, React
Languages: C++, Python, JavaScript
Backend/Database: SQL, REST APIs
Tools: Git, GitHub, Postman, Docker (basic), GitHub Actions

PROJECTS

Spotify Frontend Clone

- Built a fully responsive frontend clone of Spotify using React, Vite, and Tailwind CSS.
- Followed a component-driven approach with reusable UI elements like Navbar, Sidebar, and Music Cards.
- Achieved pixel-perfect UI replication and practiced modern CSS utility classes.
- Focused on clean architecture, state management, and scalable component structuring.

Weather App with AQI & Map View

- Built a responsive weather app using HTML, CSS, and JavaScript.
- Integrated OpenWeatherMap API to show 10-day weather forecast and real-time PM2.5 AQI.
- Used Chart.js for dynamic charts and Leaflet.js for map visualization.
- Designed mobile-friendly UI and deployed the project on GitHub Pages.
- Improved skills in API integration, modular code structure, and UI/UX optimization.

Ethernet Transmitter & Receiver with CRC

- Designed and simulated an Ethernet communication module in Verilog.
- Implemented preamble, SFD (Start Frame Delimiter), and CRC-32 error checking.
- Verified using testbenches running at a 50 MHz clock frequency.
- Presented a paper on this project at a conference; accepted by a Q1 journal (certified, awaiting publication).
- Gained experience in digital design, hardware simulation, and technical paper presentation.

IPL 2022 Data Visualizer

- Developed a Python-based data analysis and visualization tool using Pandas and Plotly.
- Analyzed IPL 2022 match data including wins, toss decisions, and player performances.
- Created interactive charts for data insights and exploratory data analysis (EDA).
- Strengthened understanding of data pipelines, visualization techniques, and Python libraries.

CERTIFICATIONS / COURSES

- HackerRank Python (Basic) – *June 2023*
- Samsung Innovation Campus – Python – *Mar 2023*